Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/22/2018 10:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125881	0	1.38	125779	1.32
Blue	F	SSC	125000	124523	-1	3.53	124781	3.28
Blue	E	FITC	23615	22835	-4	2.59	1020	10.52
Blue	D	PE	26739	26199	-3	2.13	941	10.14
Blue	B	PerCP-Cy5-5	48339	47610	-2	3.61	1374	17.36
Blue	A	PE-Cy7	45021	44828	-1	5.35	705	35.80
Red	C	APC	53064	52250	-2	2.88	2990	9.71
Red	A	APC-Cy7	57175	56430	-2	2.80	1202	11.21
Violet	B	V450	14728	14246	-4	4.99	676	9.64
Violet	A	V500	58621	57677	-2	4.82	2553	7.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18939	2.09	611	-3	N/A	N/A	Pass
Blue	F	SSC	61514	1.44	554	8	N/A	N/A	Pass
Blue	E	FITC	109	41.59	546	-2	0.0198	196	Pass
Blue	D	PE	205	30.04	538	2	0.1497	239	Pass
Blue	B	PerCP-Cy5-5	214	45.40	636	1	0.0095	65	Pass
Blue	A	PE-Cy7	77	120.14	695	2	0.0115	17	Pass
Red	C	APC	347	27.86	598	1	0.0193	25	Pass
Red	A	APC-Cy7	131	40.67	580	0	0.0054	1761	Pass
Violet	B	V450	83	43.31	464	-6	0.0455	2039	Pass
Violet	A	V500	186	23.10	492	-5	0.0143	438	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/22/2018 10:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.13	-31.54	0.94
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.34
Red	18.87	14.40 - 21.60	N/A	N/A	31.10	31.66	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9628

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments